AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A computer system, comprising,

a writing instrument configured to detect ~~that generates~~, relative to itself and using an ~~ballistic information generator~~ accelerometer, pulses representing ballistic information about the writing instrument~~self movement~~, the represented ballistic ~~movement~~ information including represented acceleration information from a user's handwriting; and

a conversion component configured to receive the pulses representing ballistic information, including the represented acceleration information from the user's handwriting, directly from the writing instrument and to ~~that utilizes~~ convert the received pulses representing the acceleration information to generate line thickness information for a digital representation of a portion of the user's handwriting that is to be displayed on a display device.

2. (Original) The computer system of claim 1, wherein the writing instrument is a pen.

Claim 3. (Cancelled).

4. (Currently Amended) The computer system of claim ~~3~~1, wherein the accelerometer generates analog movement information, and wherein the writing instrument comprises an analog-to-digital converter for converting the analog movement information to digital data.

5. (Original) The computer system of claim 4, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

6. (Original) The computer system of claim 5, wherein the digital data is transmitted via a wireless connection.

7. (Original) The computer system of claim 5, wherein the digital data is transmitted via a hardwired connection.

8. (Original) The computer system of claim 3, wherein the accelerometer is configured to generate tilt information.

9. (Currently Amended) A computer system, comprising,

a writing instrument configured to detect ~~that generates~~, relative to itself and using an ~~ballistic information generator~~ accelerometer, pulses representing movement information about the writing instrument including represented acceleration information from a user's handwriting; and

a conversion component configured to receive the pulses representing movement information, including the represented acceleration information from the user's handwriting, directly from the writing instrument and to ~~that utilizes~~ convert the received pulses representing the acceleration information to generate line thickness information for a digital representation of portion of the user's handwriting that is to be displayed on a display device based upon spacing of plots in a map of a plot of the movement information.

10. (Original) The computer system of claim 9, wherein the thickness information is based upon the samples/unit distance of the plots.

11. (Original) The computer system of claim 10, wherein the thickness information increases a thickness component as the samples/unit distance increase.

12. (Previously Presented) The computer system of claim 3, wherein the conversion component generates thickness information based upon wavelengths of the movement information.

13. (Original) The computer system of claim 12, wherein the thickness information increases a thickness component as the wavelengths increase.

14. (Original) The computer system of claim 1, wherein the conversion component is located remote from the writing instrument, and further comprising transmitting the digital data to the conversion component.

15. (Original) The computer system of claim 14, wherein the digital data is transmitted via a wireless connection.

16. (Original) The computer system of claim 14, wherein the digital data is transmitted via a hardwired connection.

17. (Previously Presented) The computer system of claim 9, wherein the movement information comprises tilt information.

18. (Currently Amended) A computer system, comprising,

a writing instrument configured to detect ~~that generates~~, relative to itself, pulses representing movement information including represented acceleration and represented tilt information about the writing instrument from a user's handwriting; and

a conversion component configured to receive the pulses representing movement information, including the represented acceleration and tilt information from the user's handwriting, directly from the writing instrument and to ~~that utilizes~~ convert the represented acceleration information to generate line thickness information for a digital representation of portion of the user's handwriting that is to be displayed on a display device based upon spacing of plots in a map of a plot of the tilt information.

19. (Original) The computer system of claim 18, wherein the thickness information is based upon the samples/unit distance of the plots.

20. (Original) The computer system of claim 19, wherein the thickness information increases a thickness component as the samples/unit distance increase.

21. (Previously Presented) The computer system of claim 1, wherein the movement information comprises pulses having wavelengths.

22. (Original) The computer system of claim 21, wherein the thickness information increases a thickness component as the wavelengths increase.

23. (New) The computer system of claim 18, wherein the writing instrument is configured to detect pulses from an accelerometer representing tilt information about the writing instrument.